



# C2M System

## COMPONENT CONDITION MONITORING



**Trimble C2M** provides full condition monitoring identifying the condition of all the key components being monitored and reports on defect identification, wear detection, and automates maintenance planning. The system utilizes a combination of shore-based software and interfaces to track side devices and handheld measuring devices. It proactively analyses and detects anomalies with particular component behavior and uses this information to identify the impact on maintenance and service for the entire fleet.

### Benefits

- ▶ Tracks rogue behavior and determines proactive maintenance actions maximizing component life
- ▶ Plans efficient component maintenance improving fleet availability
- ▶ Understands ongoing component condition and utilization optimizing procurement
- ▶ Constantly monitors safety related component conditions improving safety

### Features

- ▶ BeenaVision (WheelView)—Trackside wheel profile
- ▶ NextSense (Calipri)—Handheld wheel profile
- ▶ Lloyds Register (Gotcha)—Trackside wheel impact detection
- ▶ Lloyds Register (Gotcha APMS)—Pantograph condition
- ▶ Track-IQ (RailBAM)—Trackside hot axle box detection
- ▶ Greenwood Engineering (Miniprof)—Handheld wheel profile
- ▶ Hegenscheidt (Lathe)—Wheel turning machine
- ▶ Sculfort (Lathe)—Wheel turning machine
- ▶ Talgo (Lathe)—Wheel turning machine
- ▶ Trimble with our solution partners provide trackside solutions for collecting data



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### C2M: Customer Experience

"After a detailed investigation of solution providers, Trimble for us was a clear fit. Their comprehensive knowledge of the rail industry, solutions and customer focus is unrivaled and we look forward to partnering with them to implement the system."

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